



**OneSource**  
Laboratory Services

# PerkinElmer:

There for the installation –  
**and beyond.**

PerkinElmer® has the know-how and resources to deliver best-in-class service from initial setup and installation to preventive maintenance – through OneSource<sup>SM</sup> Laboratory Services. With OneSource you'll get comprehensive service and support after the install – whether its on-site, online or on the phone. For service that means business, look to OneSource for:

- Expert support by more than 1,000 factory-trained service professionals
- Training and consulting to help you get the most out of your time spent in the lab
- Experienced instrument care and repair
- Installation Qualification/Operation Qualification and Instrument Performance Verification (IPV); we have complete documented processes to ensure consistent implementation
- PQ Guidance/Holistic Validation
- TotalChrom® support is designed to ensure 21 CFR Part 11 compliance
- On-site audit support

## Series 200 UV/Vis HPLC



Designed and **built to withstand** the  
**challenges** of the **real world**

PerkinElmer Life and  
Analytical Sciences  
710 Bridgeport Avenue  
Shelton, CT 06484-4794 USA  
Phone: (800) 762-4000 or  
(+1) 203-925-4602  
[www.perkinelmer.com](http://www.perkinelmer.com)

For a complete listing of our global offices, visit [perkinelmer.com/lasoffices](http://perkinelmer.com/lasoffices)

©2003 PerkinElmer, Inc. All rights reserved. PerkinElmer and TotalChrom are registered trademarks and OneSource is a service mark of PerkinElmer, Inc. PerkinElmer reserves the right to change this document at any time and disclaims liability for editorial, pictorial or typographical errors.

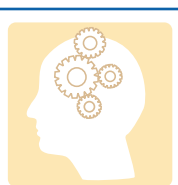
006899\_01 KG100315 Printed in USA

  
**PerkinElmer**  
precisely.

  
**PerkinElmer**  
precisely.

# An inside look at the Series 200: Compatible, workhorse components designed to never let you down

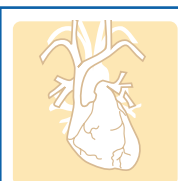
PerkinElmer® knows you need to rely on your HPLC system to get the job done day-in and day-out. That's why we designed and built the Series 200 family of HPLC instruments. The culmination of our 30 years of HPLC experience, the Series 200 is the workhorse relied upon by some of the world's largest HPLC laboratories. We're confident it will meet and exceed the LC demands of your lab, because each component – our detector, pump, autosampler and CDS – have proven track records behind them. Best of all, all of our systems are backed by our renowned OneSource<sup>SM</sup> global service and support organization, so you'll know you can rely on them today, tomorrow and for years to come.



## The brains behind the brawn – TotalChrom®.

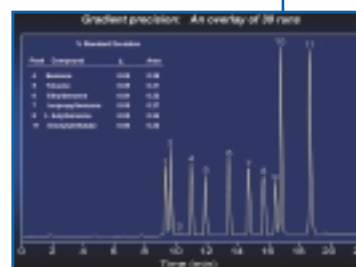
So, how do you make this HPLC system even better? Couple it with the industry-standard CDS that offers unparalleled solutions in terms of performance, compliance and scalability: TotalChrom. With TotalChrom, analyzing components in greater detail at a higher throughput level is faster and easier than you can imagine. You'll have single-point control for data handling and instrument control parameters. TotalChrom uses Microsoft® Windows® operating systems and familiar environments, allowing you to get up and running, building methods – fast.

- Instrument control of leading HPLC and GC instruments
- Multi-lingual support
- Fully compliant for regulated lab use
- Fully customizable report generation

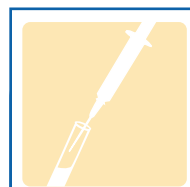


## Rugged and reliable – the Series 200 Pump is at the heart of the system.

The Series 200's design automatically compensates for solvent compressibility during each pump stroke. You'll get greater accuracy, highly-precise flow rates, and high-performance gradient capability. Designed to be long lasting and low maintenance, the proven, rugged design offers low piston wear for less downtime and lower cost of ownership on consumables.



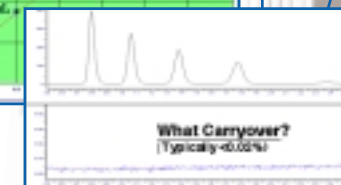
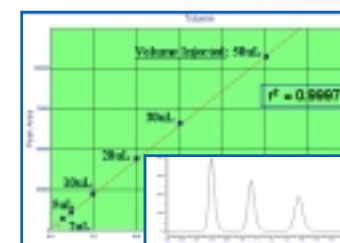
- No need to replace check valves
- Slide out drawer for easy access
- The best Helium degasser available bar none, it pressurizes bottles at ~ 5 psi to protect/stabilize solvents and reduce helium consumption. Vacuum degassing is also available via the Series 200 Degasser
- Two point flow calibration
- Pumps can be upgraded to additional solvent capabilities right in your lab (Isocratic to Binary to Quaternary)



## Fast, accurate and flexible... the Series 200 Autosampler. Complete control, so little effort.

This Autosampler is a real time-saver; you'll wonder what you ever did without it! Its ability to rapidly bring the needle to the sample allows you to eliminate the time-consuming process of moving sample vials, potentially causing error. You could save up to 50% of the time spent in sample loading/injection time!

- Advanced design for injection valve flushing and external needle wash reduces carryover – offers a .02% carryover specification
- Impressive linearity
- Boasts the industry's best on-board automated Derivatization/Dilution performance of any analytical autosampler
- On-board temperature control of vials or microtiter plates
- Full control of needle level within sample vials/trays



## The Series 200 UV/Vis Detector – sensitive, stable and ready for any challenge.

A solid foundation for your total HPLC system, this high-sensitivity, high-throughput workhorse offers efficient performance, 24 hours-a-day, 7 days-a-week. This detector employs the same proven, dual-beam optical design as its predecessor – the 785A, for high sensitivity even for difficult ultra-trace analysis. The Series 200 UV/Vis supports either Deuterium (D2) or Tungsten source lamps – offering true visible wavelength performance. Lamp changes are quick and easy due to a smart, self-aligning mount, so you'll spend less time maintaining your detector, and more time running analysis.

- Full wavelength programmability allows for automated analysis
- Ability to link methods saves time and increases productivity
- Several flowcell formats to choose from to meet your specific application requirements
- Outstanding linearity performance – even at extremely low or high concentrations

